

MAR 23 2005

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10/630,102

HT3915USNA

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

PTO/SB/08A FORM

COPY OF PCT INTERNATIONAL SEARCH REPORT

COPY OF EP 0 412 195 A

COPY OF GB 2 142 542 A

CERTIFICATE OF TRANSMISSION

Page 1 of 1

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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MAR 23 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

REIYAO ZHU ET. AL.

CASE NO.: **HT3915USNA**

APPLICATION NO.: **10/630,102**

CONFIRMATION NO.: **8310**

GROUP ART UNIT: **1771**

EXAMINER:

FILED: **July 28, 2003**

**FOR: FLAME RETARDANT FIBER BLENDS COMPRISING FLAME
RETARDANT CELLULOSIC FIBERS AND FABRICS AND GARMENTS
MADE THEREFROM**

**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicant brings to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A form. A copy of the information, if required, is also enclosed. Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

If this Information Disclosure Statement is filed under §1.97(b) but the mailing date hereof is after the mailing of a first Office Action on the merits, the PTO is requested to consider this information accord with the provisions of §1.97(c): after the period specified in §1.97(b) but before the mailing of a Final

Office Action, or a Notice of Allowance, or any other action that closes prosecution; in combination with the certification under subsection (e)(1) below.

I certify that each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

Respectfully submitted,



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Dated: March 23, 2005
Enclosures

PTO/SB/DBA (08-03)

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| <p style="text-align: center;">Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a currently valid OMB control number.</p> <p style="text-align: center;">Substitute for form 1449/PTO</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">(Use as many sheets as necessary)</p> | | <p style="text-align: center;">Complete If Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">10/630,102</td> </tr> <tr> <td>Filing Date</td> <td>July 28, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Reiyao Zhu Et. Al.</td> </tr> <tr> <td>Art Unit</td> <td>1771</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>HT3915USNA</td> </tr> </table> | | Application Number | 10/630,102 | Filing Date | July 28, 2003 | First Named Inventor | Reiyao Zhu Et. Al. | Art Unit | 1771 | Examiner Name | | Attorney Docket Number | HT3915USNA |
| Application Number | 10/630,102 | | | | | | | | | | | | | | |
| Filing Date | July 28, 2003 | | | | | | | | | | | | | | |
| First Named Inventor | Reiyao Zhu Et. Al. | | | | | | | | | | | | | | |
| Art Unit | 1771 | | | | | | | | | | | | | | |
| Examiner Name | | | | | | | | | | | | | | | |
| Attorney Docket Number | HT3915USNA | | | | | | | | | | | | | | |

[illegible]

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------|--|-----------------------------------|--|---|---|
| Examiner Initials* | Cite No.† | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T |
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| Beam Inet Signature | Date Considered |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinda Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language translation is attached.

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | | |
|---|---|--|---|
| Applicant's or agent's file reference HT3915PCT | FOR FURTHER ACTION | | see Form PCT/ISA/220 as well as, where applicable, item 5 below. |
| International application No. PCT/US2004/024462 | International filing date (day/month/year) 28/07/2004 | (Earliest) Priority Date (day/month/year) 28/07/2003 | |
| Applicant E.I. DUPONT DE NEMOURS AND COMPANY | | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 29.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2004/024462

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An intimate blend of staple fibers has from 10 to 75 parts by weight of at least one aramid staple fiber, from 15 to 80 parts by weight of at least one flame retardant cellulosic staple fiber, and from 5 to 30 parts by weight of at least one polyamide staple fiber. The intimate blend of staple fibers provides yarns and fabrics that are flame retardant, also referred to as fire resistant, and can be used to make flame retardant articles, such as clothing. The flame retardant fabrics may have a basis weight from 0.13 - 0.50 kg/m squared (4 to 15 ounces per square yard).

Form PCT/ISA/210 (continuation of first sheet (3)) (January 2004)

INTERNATIONAL SEARCH REPORT

| A. CLASSIFICATION OF SUBJECT MATTER IPC 7 D02G3/44 D02G3/04 | | International Application No PCT/US2004/024462 |
|--|--|---|
| According to International Patent Classification (IPC) or to both national classification and IPC | | |
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 D02G D03D | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | |
| Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | EP 0 412 195 A (E.I. DU PONT DE NEMOURS AND COMPANY) 13 February 1991 (1991-02-13) claims 1,2,4-6; example 1 | 1-4,9-12 |
| A | | 13,14 |
| A | US 6 254 988 B1 (ZHU REIYAO ET AL) 3 July 2001 (2001-07-03) claims 1,2 | 1,9,10 |
| A | GB 2 152 542 A (* C C DEVELOPMENTS LIMITED) 7 August 1985 (1985-08-07) claim 1 | 1-4,9,10 |
| <input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. | | |
| * Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family | | |
| Date of the actual completion of the international search 3 March 2005 | | Date of making of the international search report 09/03/2005 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx 31 651 epo nl. Fac (+31-70) 340-3016 | | Authorized officer D'Souza, J |

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

NO. 3275 P. 8/19

Information on patent family members

International Application No

PCT/US2004/024462

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
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Form PCT/ISA/210 (patent family annex) (January 2004)